PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

unassigned yet

Filing Date:

August 26, 2003

Applicant:

Masahiro SHIMOYA et al

Group Art Unit:

Examiner:

unassigned yet

Title:

Heat Exchanger

Attorney Docket:

4041K-000149

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information submitted for consideration by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

Α.	<u>X</u>	Submitte	d herew	ith is	a k	egible	сору	of	(i) e	ach	U.S.	patent	applic	ation
pu	blica	tion and L	J.S. and f	oreign	pate	nt; (ii)	each	oubli	catio	n or 1	hat po	ortion wh	nich ca	used
it 1	to be	listed; (ii	i) for eac	ch cited	d pe	nding	U.S. a	pplic	ation	n, the	appli	cation s	pecific	ation
ind	cludir	ng the cla	ims, and	any o	Iraw	ing of	the a	oplic	ation	whic	ch cau	used it	to be	listed
ind	cludir	ng the clai	ims direc	ted to	that	portio	n; and	(iv) a	all ot	her ir	nforma	ation or	that po	ortion
wł	nich d	aused it t	o be liste	d.		•		. ,					•	

B. ____ Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C. ___Because the present application was/is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are listed on the attached Form 1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i).

	are enclosed herewith.
	DThis is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form-1449 for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))
III.	CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)
	A Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).
	B. X A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):
	 See the attached foreign patent office communication from a counterpart foreign application: X English translation of the abstract is provided for the JP reference. Other:
	C The following additional information is provided for the Examiner's consideration.
IV.	CROSS REFERENCE TO RELATED APPLICATION(S)
	A The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.
	Serial No. Filing Date Art Unit
V.	THIS IDS IS BEING FILED UNDER
	A. X 37 C.F.R. § 1.97(b): (check <u>only</u> one box)
	1. X within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
	2 within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
	3 before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. §

Any foreign patent documents or non-patent literature listed on the attached Form 1449

	certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
	4 before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.
В	_ 37 C.F.R. § 1.97(c): (check <u>only</u> one box)
	• before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.
	1 No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
	2 See the certification below. No fee is required.
C	_ 37 C.F.R. § 1.97(d):
	• after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
	1 See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
CERT	IFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)
The u	ndersigned hereby certifies that:
from a	each item of information contained in this IDS was first cited in a communication a foreign patent office in a counterpart foreign application not more than three is prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement 37 C.F. R. 1.704(d) below in section VII, if applicable; or
foreigi unders IDS w	no item of information contained in this IDS was cited in a communication from a patent office in a counterpart foreign application, and, to the knowledge of the signed after making reasonable inquiry, no item of information contained in this as known to any individual designated in 37 C.F.R. § 1.56(c) more than three is prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
foreign item of patent filing of no item from a	Some of the items of information were first cited in a communication from a patent office. As to this information, the undersigned hereby certifies that each of information contained in this IDS was cited in a communication from a foreign office in a counterpart foreign application not more than three months prior to the of this IDS. As to the remaining information, the undersigned hereby certifies that me of this remaining information contained in this IDS was cited in a communication of foreign patent office in a counterpart foreign application, and, to the knowledge of odersigned after making reasonable inquiry, no item of information contained in this

VI.

IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 CFR 1.704(d)

The undersigned hereby states that:

each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

- A. ____ A check in the amount of \$180.00 is enclosed for the above-identified fee.
- B. ____ Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted.

Michael J. Schmidt, Esq.

Reg. No. 34,007

Dated: August 26, 2003

HARNESS, DICKEY & PIERCE, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET No.	SERIAL NO.
4041K-000149	Unassigned yet
APPLICANT	
Masahiro SHIMOYA et	al
FILING DATE	GROUP
August 26, 2003	

	ATENT DO	CUMENTS				
Ref. Desig.	Examiner's Initials	Document Number	Date	Name_	Class/ Subclass	(If appropriate) Filing Date
						
	l_,					<u> </u>
FORE	IGN PATEN	IT DOCUMENTS				
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
1.		2001-50678	2/2001	Japan		Abstract
OTHE	R DOCUME	-NTS (including 4	Author Title F	Date Pertinent Page	s etc.)	
OTHE Ref. Desig.	R DOCUME Examiner's Initials	ENTS (including A	Author, Title, D	Pate, Pertinent Pages	s, etc.)	